

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 9-2-99		API # 30-039-24068	
Company McElvain Oil & Gas Properties			Connection Apache/EPFS		
Pool Blanco			Formation Mesaverde		
Completion Date 8-26-99		Total Depth 8533		Plug Back TD 6260	
		Elevation 7570 GL		Farm or Lease Name Siefert Gas Com "A"	
Cas. Size 5.500	Wt. 15.5	d 4.950	Set At 8533	Perforations: From 5896 To 6130	
Perf. Size 2.375	Wt. 4.7	d 1.995	Set At 6166	Perforations: From Open Ended To	
Type Well - Single - Rindhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F s		Mean Annual Temp. °F	
L		H		Baro. Press. - P _g 11 psia est.	
Gg		% CO ₂		% N ₂	
		% H ₂ S		Prover	
		Meter Run		Taps	
FLOW DATA					
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w
1	7 days				
2					
3					
4					
5					
TUBING DATA					
	Press. p.s.i.g.	Temp. °F			
	0				
CASING DATA					
	Press. p.s.i.g.	Temp. °F			
	58				
RATE OF FLOW CALCULATIONS					
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g
1					
2					
3					
4					
5					
NO.	P ₁	Temp. °R	T ₁	Z	Gas Liquid Hydrocarbon Ratio
1					Mcf/bbl.
2					A.P.I. Gravity of Liquid Hydrocarbons
3					Specific Gravity Separator Gas
4					Specific Gravity Flowing Fluid
5					Critical Pressure
					Critical Temperature
$(1) \frac{P_c^2}{P_e^2 - P_w^2} = \frac{AOF^2}{15.025^2}$ $(2) \left[\frac{P_c^2}{P_e^2 - P_w^2} \right]^n = \frac{AOF^2}{15.025^2}$					
NO.	P ₁	P _w	P _e	P _e ² - P _w ²	
1					
2					
3					
4					
5					
Absolute Open Flow _____ Mcfd @ 15.025					
Angle of Slope _____ Slope, n _____					
Remarks:					
Approved By Division		Conducted By:		Calculated By:	
		Joe Elledge		Joe Elledge	
				Mr. John Steuble	